



SEQUENCE LISTING

<110> Phillips, David
De Kretser, David
Sievert, William
Patella, Shane
Smolich, Joseph
McGaw, David
Fennessy, Paul

<120> Compositions and Methods for the
Treatment of Disease

<130> 048501/273281

<140> US 10/755,545

<141> 2004-01-12

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<151> 2002-07-12

<150> AU PR6381

<151> 2001-07-13

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<212> PRT

<213> Homo sapiens

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 Asn Arg Ile Cys Pro Glu Pro Ala Ser Ser Glu Gln Tyr Leu Cys Gly
 195 200 205
 Asn Asp Gly Val Thr Tyr Ser Ser Ala Cys His Leu Arg Lys Ala Thr
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 Cys Leu Leu Gly Arg Ser Ile Gly Leu Ala Tyr Glu Gly Lys Cys Ile
 225 230 235 240
 Lys Ala Lys Ser Cys Glu Asp Ile Gln Cys Thr Gly Gly Lys Lys Cys
 245 250 255
 Leu Trp Asp Phe Lys Val Gly Arg Gly Arg Cys Ser Leu Cys Asp Glu
 260 265 270
 Leu Cys Pro Asp Ser Lys Ser Asp Glu Pro Val Cys Ala Ser Asp Asn
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 Ser Leu Val Leu Gln Thr Asp Val Thr Arg Ala Glu Cys Cys Ala Ser
 50 55 60
 Gly Asn Ile Asp Thr Ala Trp Ser Asn Leu Thr His Pro Gly Asn Lys
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 100 105 110
 Leu Gly Gly Arg Pro Arg Cys Glu Cys Ala Pro Asp Cys Ser Gly Leu
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 Pro Ala Arg Leu Gln Val Cys Gly Ser Asp Gly Ala Thr Tyr Arg Asp
 130 135 140
 Glu Cys Glu Leu Arg Ala Ala Arg Cys Arg Gly His Pro Asp Leu Ser
 145 150 155 160
 Val Met Tyr Arg Gly Arg Cys Arg Lys Ser Cys Glu His Val Val Cys
 165 170 175
 Pro Arg Pro Gln Ser Cys Val Val Asp Gln Thr Gly Ser Ala His Cys
 180 185 190
 Val Val Cys Arg Ala Ala Pro Cys Pro Val Pro Ser Ser Pro Gly Gln
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 Glu Leu Cys Gly Asn Asn Asn Val Thr Tyr Ile Ser Ser Cys His Met
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 Val Arg Ser Ser Pro Thr Pro Gly Ser Glu Gly His Ser Ala Ala Pro
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 Asp Cys Pro Ser Cys Ala Leu Ala Ala Leu Pro Lys Asp Val Pro Asn
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tct cag cca gag atg gtg gag gcc gtc aag aag cac att tta aac atg 431
 Ser Gln Pro Glu Met Val Glu Ala Val Lys Lys His Ile Leu Asn Met
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ctg cac ttg aag aag aga ccc gat gtc acc cag ccg gta ccc aag gcg 479
 Leu His Leu Lys Lys Arg Pro Asp Val Thr Gln Pro Val Pro Lys Ala
 70 75 80

gcg ctt ctg aac gcg atc aga aag ctt cat gtg ggc aaa gtc ggg gag 527
 Ala Leu Leu Asn Ala Ile Arg Lys Leu His Val Gly Lys Val Gly Glu
 85 90 95

aac ggg tat gtg gag ata gag gat gac att gga agg agg gca gaa atg 575
 Asn Gly Tyr Val Glu Ile Glu Asp Asp Ile Gly Arg Arg Ala Glu Met
 100 105 110

aat gaa ctt atg gag cag acc tcg gag atc atc acg ttt gcc gag tca 623
 Asn Glu Leu Met Glu Gln Thr Ser Glu Ile Ile Thr Phe Ala Glu Ser
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gga aca gcc agg aag acg ctg cac ttc gag att tcc aag gaa ggc agt 671
 Gly Thr Ala Arg Lys Thr Leu His Phe Glu Ile Ser Lys Glu Gly Ser
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gac ctg tca gtg gtg gag cgt gca gaa gtc tgg ctc ttc cta aaa gtc	719
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Pro Lys Ala Asn Arg Thr Arg Thr Lys Val Thr Ile Arg Leu Phe Gln	
165 170 175	
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Gln Gln Lys His Pro Gln Gly Ser Leu Asp Thr Gly Glu Glu Ala Glu	
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Glu Val Gly Leu Lys Gly Glu Arg Ser Glu Leu Leu Leu Ser Glu Lys	
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Val Val Asp Ala Arg Lys Ser Thr Trp His Val Phe Pro Val Ser Ser	
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Ser Ile Gln Arg Leu Leu Asp Gln Gly Lys Ser Ser Leu Asp Val Arg	
230 235 240	
att gcc tgt gag cag tgc cag gag agt ggc gcc agc ttg gtt ctc ctg	1007
Ile Ala Cys Glu Gln Cys Gln Glu Ser Gly Ala Ser Leu Val Leu Leu	
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Gly Lys Lys Lys Lys Lys Glu Glu Glu Gly Glu Gly Lys Lys Lys Gly	
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gga ggt gaa ggt ggg gca gga gca gat gag gaa aag gag cag tcg cac	1103
Gly Gly Glu Gly Gly Ala Gly Ala Asp Glu Glu Lys Glu Gln Ser His	
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Cys Lys Lys Gln Phe Phe Val Ser Phe Lys Asp Ile Gly Trp Asn Asp	
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Cys Pro Ser His Ile Ala Gly Thr Ser Gly Ser Ser Leu Ser Phe His	
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 Asn Ser Gln Pro Glu Met Val Glu Ala Val Lys Lys His Ile Leu Asn
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 Met Leu His Leu Lys Lys Arg Pro Asp Val Thr Gln Pro Val Pro Lys
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 Glu Asn Gly Tyr Val Glu Ile Glu Asp Asp Ile Gly Arg Arg Ala Glu
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 Met Asn Glu Leu Met Glu Gln Thr Ser Glu Ile Ile Thr Phe Ala Glu
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 Ser Asp Leu Ser Val Val Glu Arg Ala Glu Val Trp Leu Phe Leu Lys
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 Val Pro Lys Ala Asn Arg Thr Arg Thr Lys Val Thr Ile Arg Leu Phe
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 Arg Ile Ala Cys Glu Gln Cys Gln Glu Ser Gly Ala Ser Leu Val Leu
 245 250 255

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 His Arg Arg Arg Arg Arg Gly Leu Glu Cys Asp Gly Lys Val Asn Ile
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 Asp Trp Ile Ile Ala Pro Ser Gly Tyr His Ala Asn Tyr Cys Glu Gly
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 Glu Cys Pro Ser His Ile Ala Gly Thr Ser Gly Ser Ser Leu Ser Phe
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 His Ser Thr Val Ile Asn His Tyr Arg Met Arg Gly His Ser Pro Phe
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 ctg cag atg cgg ggc cgg ccc aac atc acg cac gcc gtg cct aag gcc 143
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 gcc atg gtc acg gcc ctg cgc aag ctg cac gcg ggc aag gtg cgc gag 191
 Ala Met Val Thr Ala Leu Arg Lys Leu His Ala Gly Lys Val Arg Glu
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 gac ggc cgc gtg gag atc ccg cac ctc gac ggc cac gcc agc ccg ggc 239
 Asp Gly Arg Val Glu Ile Pro His Leu Asp Gly His Ala Ser Pro Gly
 65 70 75
 gcc gac ggc cag gag cgc gtt tcc gaa atc atc agc ttc gcc gag aca 287
 Ala Asp Gly Gln Glu Arg Val Ser Glu Ile Ile Ser Phe Ala Glu Thr
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Asp Gly Leu Ala Ser Ser Arg Val Arg Leu Tyr Phe Phe Ile Ser Asn	
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Met Val Glu Lys Arg Val Asp Leu Lys Arg Ser Gly Trp His Thr Phe	
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Pro Leu Thr Glu Ala Ile Gln Ala Leu Phe Glu Arg Gly Glu Arg Arg	
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Ile Asp Phe Arg Leu Ile Gly Trp Asn Asp Trp Ile Ile Ala Pro Thr	
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Gly Val Pro Gly Ser Ala Ser Ser Phe His Thr Ala Val Val Asn Gln	
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Tyr Arg Met Arg Gly Leu Asn Pro Gly Thr Val Asn Ser Cys Cys Ile	
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 Pro Thr Lys Leu Ser Thr Met Ser Met Leu Tyr Phe Asp Asp Glu Tyr
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 Gly Arg Val Glu Ile Pro His Leu Asp Gly His Ala Ser Pro Gly Ala
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 Asp Gly Gln Glu Arg Val Ser Glu Ile Ile Ser Phe Ala Glu Thr Asp
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 Gly Asn Gln Asn Leu Phe Val Val Gln Ala Ser Leu Trp Leu Tyr Leu
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 Lys Leu Leu Pro Tyr Val Leu Glu Lys Gly Ser Arg Arg Lys Val Arg
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 Val Lys Val Tyr Phe Gln Glu Gln Gly His Gly Asp Arg Trp Asn Met
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 Val Glu Lys Arg Val Asp Leu Lys Arg Ser Gly Trp His Thr Phe Pro
 165 170 175
 Leu Thr Glu Ala Ile Gln Ala Leu Phe Glu Arg Gly Glu Arg Arg Leu

